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the foliage, and the nature of the fructification in *Cycadoidea ingens* and *C. wielandi*. The superb character of this collection, both in extent and perfection of preservation, as also in the very unusual fact that the inflorescence is preserved in great perfection of detail, leads us to hope for the most important results bearing upon our knowledge of the earlier history of these very interesting plants, and botanists will look forward with keen interest to the completion of these important studies.

D. P. P.

**The Yale Collection of Cycads.**<sup>1</sup>—Mr. G. R. Wieland contributes a short account of the very remarkable collection of cycads now in the Yale Museum, which will prove of interest to paleobotanists as a concise account of the origin, number, and general character of these valuable specimens. In the Yale collection there are many beautiful cycadean fronds from the Triassic sandstones of the New Haven region, and more than six hundred silicified trunks chiefly from the Upper Jurassic of the Black Hills. In addition to these, the fact of three other American collections in the United States National Museum, the University of Wyoming at Laramie, and at the Woman's College, Baltimore, is noted. Figures and general descriptions of thirteen species are given.

D. P. P.

**Fossils of the Norwegian North Polar Expedition.**<sup>2</sup>—An interesting result of the Nansen Expedition comes to us in the form of a paper by A. G. Nathorst on the "Fossil Plants from Franz Josef Land." Twenty-nine species in all are described, and one fungus parasite on a coniferous leaf. The plant-bearing stratum lies between two basalt beds, and a comparative study shows that it is in all probability Jurassic, the flora corresponding most nearly with that from the Jurassic of Siberia and Spitzbergen. The unfortunately fragmentary condition of the material leaves much in doubt as to the specific identity of several species, as well as of the exact horizon to which they belong. The following summary of species may be found of interest: *Cladophlebis* 1, *Sphenopteris* 4, *Pterophyllum* 1, *Podozamites* 1, *Ginkgo* 3, *Czekanowskia* 1, *Phœnicopsis* 1, *Fieldenia* 1, *Taxites* 1, *Abietites* 1, *Pityanthus* 1.

D. P. P.

<sup>1</sup> Wieland, G. R. *The Yale Sci. Monthly*, 1900, vol. vi, pp. 1-11, 2 plates.

<sup>2</sup> Nathorst, A. G. *The Norwegian North Polar Expedition, 1893-1896. III, Fossil Plants from Franz Josef Land*, pp. 3-26, Pls. I, II. Longmans, Green & Co.